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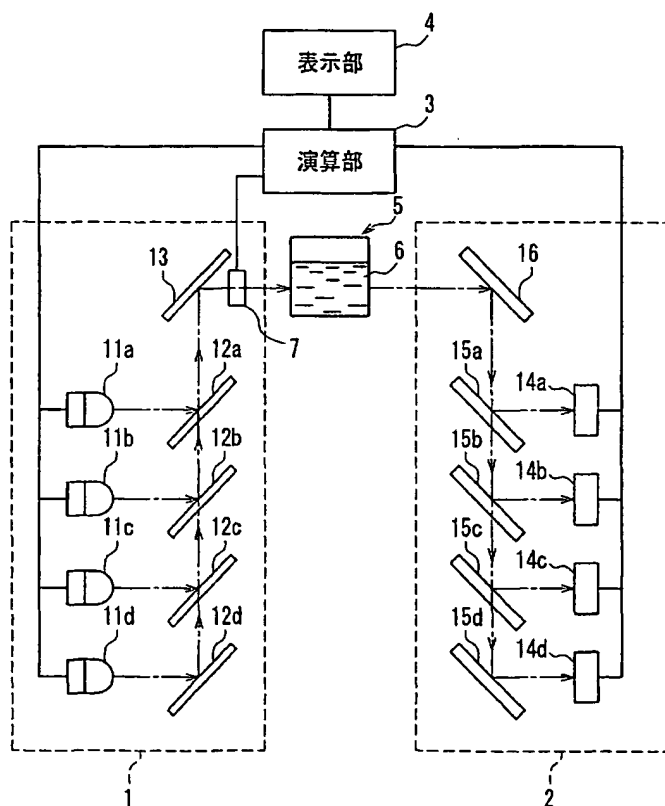
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- (51) 国際特許分類: G01N 21/64 (72) 発明者; および
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- (21) 国際出願番号: PCT/JP2003/014421
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- (25) 国際出願の言語: 日本語 (74) 代理人: 特許業務法人池内・佐藤アンドパートナーズ (IKEUCHI SATO & PARTNER PATENT ATTORNEYS); 〒530-6026 大阪府 大阪市 北区天満橋1丁目8番30号OAPタワー26階 Osaka (JP).
- (26) 国際公開の言語: 日本語
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特願 2002-330787
2002 年 11 月 14 日 (14.11.2002) JP
- (71) 出願人 (米国を除く全ての指定国について): アークレイ株式会社 (ARKRAY, INC.) [JP/JP]; 〒601-8045 京都府 京都市 南区 東九条西明田町57番地 Kyoto (JP).
- (81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,

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(54) Title: MEASURING INSTRUMENT AND FLUOROMETRIC METHOD

(54) 発明の名称: 測定装置及び蛍光測定方法



4...DISPLAY UNIT
3...CALCULATION UNIT

(57) Abstract: A measuring instrument comprising a light source unit (1) capable of emitting lights of different wavelengths, a light-receiving unit (2) which outputs an electric signal corresponding to the intensity of a transmitted light or an emitted light from a sample (6) in which a plurality of coloring matters are mixed, and a calculation unit (3) is used. The calculation unit (3) calculates the fluorescence intensity of the transmitted light or the emitted light with respect to each coloring matter using correction coefficients that are calculated in advance. The correction coefficients are calculated using the electric signals which are respectively outputted from the light receiving unit (2) when a plurality of correction samples, each of which contains one of the coloring matters that is different from those contained in the other correction samples, are respectively irradiated with lights of different wavelengths.

(57) 要約: 波長の異なる光を照射可能な光源ユニット1と、複数の色素が混合された試料6からの透過光又は放射光の強度に応じた電気信号を出力する受光ユニット2と、演算部3とを有する測定装置を用いる。演算部3は予め算出した補正係数を用いて、透過光又は放射光の蛍光強度を色素毎に算出する。補正係数は、色素のいずれか一つが混合され、混合された色素が互いに異なる複数の補正用試料それぞれに対して、波長の異なる光を照射したときに、受光ユニット2が出力する電気信号に基づいて算出する。



SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
VN, YU, ZA, ZM, ZW.

TR), OAPI 特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(84) 指定国 (広域): ARIPO 特許 (BW, GH, GM, KE, LS,
MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア特
許 (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッ
パ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,

添付公開書類:

— 国際調査報告書

2 文字コード及び他の略語については、定期発行される
各 *PCT* ガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/14421

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl.⁷ G01N21/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl.⁷ G01N21/62-21/74

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JICST FILE (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 2002/0090630 A1 (Shimadzu Corp.), 11 July, 2002 (11.07.02), Full text; Figs. 2 to 3 & JP 2002-168868 A Full text; Figs. 2 to 3	1-3, 5, 6, 8, 9 4, 7, 10
Y	JP 5-72039 A (Nikon Corp.), 23 March, 1993 (23.03.93), Par. No. [0028]; Fig. 4 (Family: none)	4, 7, 10
P, A	JP 2003-83894 A (Sumitomo Electric Industries, Ltd.), 19 March, 2003 (19.03.03), Full text; Figs. 1 to 13 (Family: none)	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search
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Date of mailing of the international search report
20 January, 2004 (20.01.04)

Name and mailing address of the ISA/
Japanese Patent Office

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